Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/06/2021 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124225	-1	1.37	124119	1.38
Blue	F	SSC	125000	121239	-4	2.42	121584	2.30
Blue	E	FITC	13131	12655	-4	2.44	292	15.91
Blue	D	PE	24112	23534	-3	1.81	539	10.98
Blue	B	PerCP-Cy5-5	31295	30423	-3	3.15	1007	14.70
Blue	A	PE-Cy7	19939	19643	-2	5.30	519	30.14
Red	C	APC	42122	41246	-3	2.95	1728	11.84
Red	A	APC-Cy7	22340	21853	-3	3.25	817	12.19
Violet	B	V450	7410	6962	-7	3.44	422	12.56
Violet	A	V500	28118	26716	-5	2.97	666	10.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22560	2.32	582	13	N/A	N/A	Pass
Blue	F	SSC	56618	1.08	521	9	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	0	0.0385	77	Pass
Blue	D	PE	114	37.07	490	2	0.3789	277	Pass
Blue	B	PerCP-Cy5-5	186	37.35	587	1	0.0198	117	Pass
Blue	A	PE-Cy7	105	70.12	630	2	0.0208	2	Pass
Red	C	APC	399	24.94	584	8	0.0253	165	Pass
Red	A	APC-Cy7	181	28.86	559	8	0.0056	1016	Pass
Violet	B	V450	60	62.82	460	7	0.0604	2248	Pass
Violet	A	V500	97	37.46	472	7	0.0264	1376	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.53	-31.42	1.02
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	13.87	13.60 - 20.40	N/A	N/A	29.85	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9897

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments